

AMENDMENT TO THE CLAIMS

Kindly amend claims 1-5 and 7.

Kindly add new claims 15-17.

Claim 1 (Currently Amended): ~~A fabricating method for zinc phosphate insulation on a varistor;~~ A method of fabricating a varistor with zinc phosphate insulation, wherein the varistor has a body with two outer terminals respectively formed on two opposite ends of the body ~~and an exposed surface,~~ the fabricating method comprising:

applying and depositing a phosphate compound on ~~the~~ a surface of the body, wherein an over-saturated phosphate liquor is kept at a high temperature to deposit ~~a~~ the phosphate compound;

heating the phosphate compound until the phosphate compound turns to a transparent ~~insulation~~ element; and

applying metal materials on the two outer terminals of the body, wherein the outer terminals of the body are uncovered by the transparent ~~insulation~~ element ~~electroplates so the metal material is formed on it~~ the outer terminals directly; wherein the transparent ~~insulation element~~ has an anti-etch feature ~~for the electrolyte~~ to keep the ~~exposed~~ surface of the body smooth during the step of applying metal materials.

2. (Currently Amended): The fabricating method as claimed in claim 1, wherein the method further comprises the step of a removing ~~the transparent insulation step element~~ after the ~~electroplating step~~ of applying metal materials to expose the surface of the body.

3. (Currently Amended): The fabricating method as claimed in claim 2, wherein the method further comprises the step of applying a protective coating ~~step~~ after the step of removing ~~the transparent insulation step element~~ to form a protective coating on the surface of the body.

4. (Currently Amended): The fabricating method as claimed in claim 1, wherein the method further comprises ~~an applying the step of applying a protective coating step to from a protective coating~~ on the transparent insulation element after the electroplating the steps of applying the metal materials step to protect the surface of the body.

5. (Currently Amended): The fabricating method as claimed in claim 1, wherein the metal materials ~~metal~~ comprises at least one base layer and at least one solder layer sequentially formed on each outer terminal.

6. (Original): The fabricating method as claimed in claim 1, wherein the over-saturated phosphate liquor consists of phosphate ions, zinc ions, inorganic ions and metal ions.

7. (Currently Amended): The fabricating method as claimed in claim 1, wherein the ~~applying the two outer terminals of the body~~ step of applying metal materials step comprises ~~electroless plating process, uses a spray plating process rolling plating process or barrel electroplating process.~~

8. (Original): The varistor fabricated by the method in claim 1 comprising:
a body having
an exposed surface; and
two opposite ends.
two outer terminals formed on the two opposite ends and having an outer face; and
insulation formed on the exposed surface to prevent the exposed surface of the body from being etched by the electrolyte in an electroplating process and to prevent metal material from being electroplated on the exposed surface of the body.

9. (Original): The varistor as claimed in claim 8, wherein the varistor further comprises a protective coating formed on the insulation.

10. (Original): The varistor as claimed in claim 8, wherein the varistor further comprises at least one base layer formed on the outer face and at least one solder layer formed on the base layer.
11. (Original): The varistor as claimed in claim 8, wherein the protective coating is an organic material coating such as acrylic polymer, polyester or epoxy polymer.
12. (Original): The varistor as claimed in claim 8, wherein the base layer is copper.
13. (Original): The varistor as claimed in claim 8, wherein the base layer is nickel.
14. (Original): The varistor as claimed in claim 8, wherein filler in the body is an oxide semiconductor of zinc oxide and other metal oxides.
15. (New): The fabricating method as claimed in claim 1, wherein the step of applying metal materials uses a rolling plating process.
16. (New): The fabricating method as claimed in claim 1, wherein the step of applying metal materials uses a barrel electroplating process.
17. (New): The fabricating method as claimed in claim 1, wherein the step of applying metal materials uses an electroless plating process.